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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/666,406	09/19/2003	Aidan Michael Williams	CML01174AC	7460

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MOTOROLA, INC.
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EXAMINER

TAYLOR, NICHOLAS R

ART UNIT	PAPER NUMBER
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2141

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	01/23/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary

Application No.

10/666,406

Applicant(s)

WILLIAMS ET AL.

Examiner

Nicholas R. Taylor

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 19 September 2003.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 30 August 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☒ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date 9/19/03.
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- ☐ Notice of Informal Patent Application
- ☐ Other: _____.

DETAILED ACTION

1. Claims 1-20 have been examined and are rejected.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-20 are rejected under 35 U.S.C. 102(e) as being anticipated by Alkhatib et al. (U.S. PGPub 2003/0233454).

4. As per claims 1 and 11, Alkhatib teaches a method for accessing, via a public network, a device connected to a privately addressed network, said method comprising the steps of:

automatically assigning a globally unique name in said public network to said device, wherein said name resolves to an address of a gateway of said privately addressed network; (Alkhatib, paragraph 0044 and fig. 4)

automatically associating said globally unique name with a private address of said device; and (Alkhatib, paragraph 0044 and 0045)

automatically routing communications comprising said globally unique name to said device based on said private address (Alkhatib, paragraph 0046; see fig. 5 and 6).

5. As per claims 2 and 12, Alkhatib teaches the system further wherein each of said steps are performed without human intervention (Alkhatib, paragraph 0044 where the addresses are assigned without intervention).

6. As per claims 3 and 13, Alkhatib teaches the system further wherein said public network comprises the Internet (Alkhatib, paragraph 0034).

7. As per claim 4, Alkhatib teaches the system further wherein said steps are performed by said gateway (Alkhatib, see the translation process of fig. 6).

8. As per claims 5 and 14, Alkhatib teaches the system further comprising the further step of automatically registering said globally unique name and an address of said gateway with a Domain Name System (DNS) (Alkhatib, paragraph 0038 and 0039).

9. As per claims 6 and 16, Alkhatib teaches the system further comprising the further step of automatically extracting data relating to said globally unique name from Dynamic Host Configuration Protocol (DHCP) data (Alkhatib, paragraph 0035, wherein the private IP address related to the globally unique name is extracted from DHCP request data).

10. As per claims 7 and 17, Alkhatib teaches the system further wherein said assigning step is executed in response to a request from said device (Alkhatib, paragraph 0044).

11. As per claims 8 and 18, Alkhatib teaches the system further wherein said request is received by a Dynamic Host Configuration Protocol (DHCP) server and said method comprises the further step of said Dynamic Host Configuration Protocol (DHCP) server providing an Internet Protocol (IP) address to said device (Alkhatib, paragraph 0035).

12. As per claims 9 and 19, Alkhatib teaches the system further wherein said routing step comprises the sub-steps of:

receiving a communication for said device from another device via the Internet, said communication comprising said globally unique name;

automatically obtaining a private address for said device, said private address dependent on said globally unique name; and

automatically routing said communication to said private address (Alkhatib, paragraph 0049 and fig. 6).

13. As per claims 10 and 20, Alkhatib teaches the system further wherein said sub-steps are performed by said gateway (Alkhatib, see the translation process of fig. 6).

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14. As per claim 15, Alkhatib teaches the system further wherein said apparatus comprises a network gateway device (Alkhatib, see the translation process of fig. 6).

Conclusion

15. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. This includes:

U.S. PGPub 2004/0093434, which describes a method of address translation;

U.S. PGPub 2003/0028671, which describes a method of DNS management;

and

U.S. PGPub 2003/0001883, which describes a method of public to private IP address mapping.


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nicholas Taylor whose telephone number is (571) 272-3889. The examiner can normally be reached on Monday-Friday, 8:00am to 5:30pm, with alternating Fridays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rupal Dharia can be reached on (571) 272-3880. The fax phone number for the organization where this application or proceeding is assigned is (703) 305-3718.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Nicholas Taylor
Examiner
Art Unit 2141


RUPAL DHARIA
SUPERVISORY PATENT EXAMINER